



State of Alaska
Department of Fish and Game
Habitat and Restoration Division

Nomination of Waters
Important to Anadromous Fish

Region: Southcentral

USGS Quad: Kenai B-7

Anadromous Water Catalog Number of Waterway: 295-40-10030

Status:

Name of Waterway:

☐ USGS Name

☐ Local Name

☒ Addition

☐ Deletion

☐ Correction

☐ Backup Information

For Office Use

Nomination #	03 073	Regional Supervisor	3/18/03
Revision Year:	2003	Date	
Revision to: Atlas	Catalog	AWC Project Biologist	09 MAR 03
Both	X	Date	
Revision Code:	A-2	Drafted	Date

SITE INFORMATION Station: FSH0204A13 Visit: 1 Date Observed: 7/18/2002 Latitude: 60.35361 Longitude: -152.36803
Legal Description: NW 1/4 Section 14, T. 3 N., R. 18 W., S.M.

STREAM PARAMETER

	Wetted	OHW		
Width (m)	7.01	8.84	Water Temp. (C):	9.5
Thalweg Depth (m)	0.66		Stream Stage:	Medium
			Dominant Substrate:	Boulder

Station Comments: 100's of anadromous adult dolly varden at mouth of creek and 400 feet upstream. One possible adult sockeye sighted at mouth

SPECIES INFORMATION Dolly Varden Life Stage: Juvenile Count: 11 Life History: Unknown
Sampling Method: Portable Electrofisher Area (m2): Effort (s): 57 Trap Time (h): Trap in:
Fish passage barrier at site: None Trap out:
Species Comments: Many more juveniles sighted. 1

SPECIES INFORMATION Dolly Varden Life Stage: Adult Count: 6 Life History: Anadromous
Sampling Method: Dip Net Area (m2): Effort (s): Trap Time (h): Trap in:
Fish passage barrier at site: Unknown Trap out:
Species Comments: Caught six DV between 10-20 inches. Saw 100's more in reach from mouth to ~400 feet upstream. 2

See last page for additional information

Additional Comments: Observed adult anadromous dolly varden schooling in pools up to 400 feet upstream of mouth. Suspect they are migrating to spawning habitat upstream - confirmation would require an August visit. Good rearing and winter habitat - deep pools.

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Name of Observer: Joe Buckwalter, Fish and Wildlife Technician

Phone: (907)267-2345

Date Printed: 12/12/2002

Signature: Joe Buckwalter

Address: Habitat and Restoration Division, Alaska Department of Fish and Game
333 Raspberry Road
Anchorage, AK 995181599 USA

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____





04/13 look down to Redoubt Bay



04 H13 looking upstream

July 18 DAY 4

145, 128, 111, 108
+6

013 Mouth of old
Stream

Redoubt Bay

5
+13
E

Found drift cord at mouth
from the 4 of Alaska
for physical high school.

Electro Fisher broke -
returned and brought old
one out

netted 7 adult dolph
near a 100' or more

* possible salmon
caught - good also netting.

700 V 30 HZ

TRAVELED UPSTREAM 394 feet

some good spawning habitat
+ good REARING

PHOTOS 1 down

2 up

GOOD



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Revision to: Atlas _____ Catalog _____	_____
Both _____	_____
Revision Code: _____	_____
Regional Supervisor _____	Date _____
AWC Project Biologist _____	Date _____
Drafted _____	Date _____

SITE INFORMATION Station: FSH0203a12 Visit: 1 Date Observed: 7/17/2002 Latitude: 60.356597 Longitude: -152.47064

Legal Description: NE 1/4 Section 18, T. 3 N., R. 18 W., S.M.

STREAM PARAMETER

Wetted OHW

Width (m) 5.94 7.01

Water Temp. (C): 11.6

Stream Stage: Medium

Thalweg Depth (m) 0.3

Dominant Substrate: Cobble

Station Comments: _____

SPECIES INFORMATION

Dolly Varden

Life Stage: Juvenile

Count: 10

Life History: Resident

Sampling Method: Portable Electrofisher

Area (m2): _____

Effort (s): 151

Trap Time (h): _____

Trap in: _____

Fish passage barrier at site: Unknown

400 feet

Trap out: _____

Species Comments: 6 additional juv. DV observed. Anadromous adult DVs observed 200 meters upstream of mouth (see 04A13).

1

Additional Comments: *Anadromous dollies may spawn near site - schooling anadromous adult dollies observed at 04A13, near mouth. No barriers observed from helicopter from mouth to 04A12. Good spawning habitat - see photos.*

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Name of Observer: Joe Buckwalter, Fish and Wildlife Technician

Phone: (907)267-2345

Date Printed: 12/10/2002

Signature: *Joe Buckwalter*

Address: Habitat and Restoration Division, Alaska Department of Fish and Game

333 Raspberry Road

Anchorage, AK 995181599 USA

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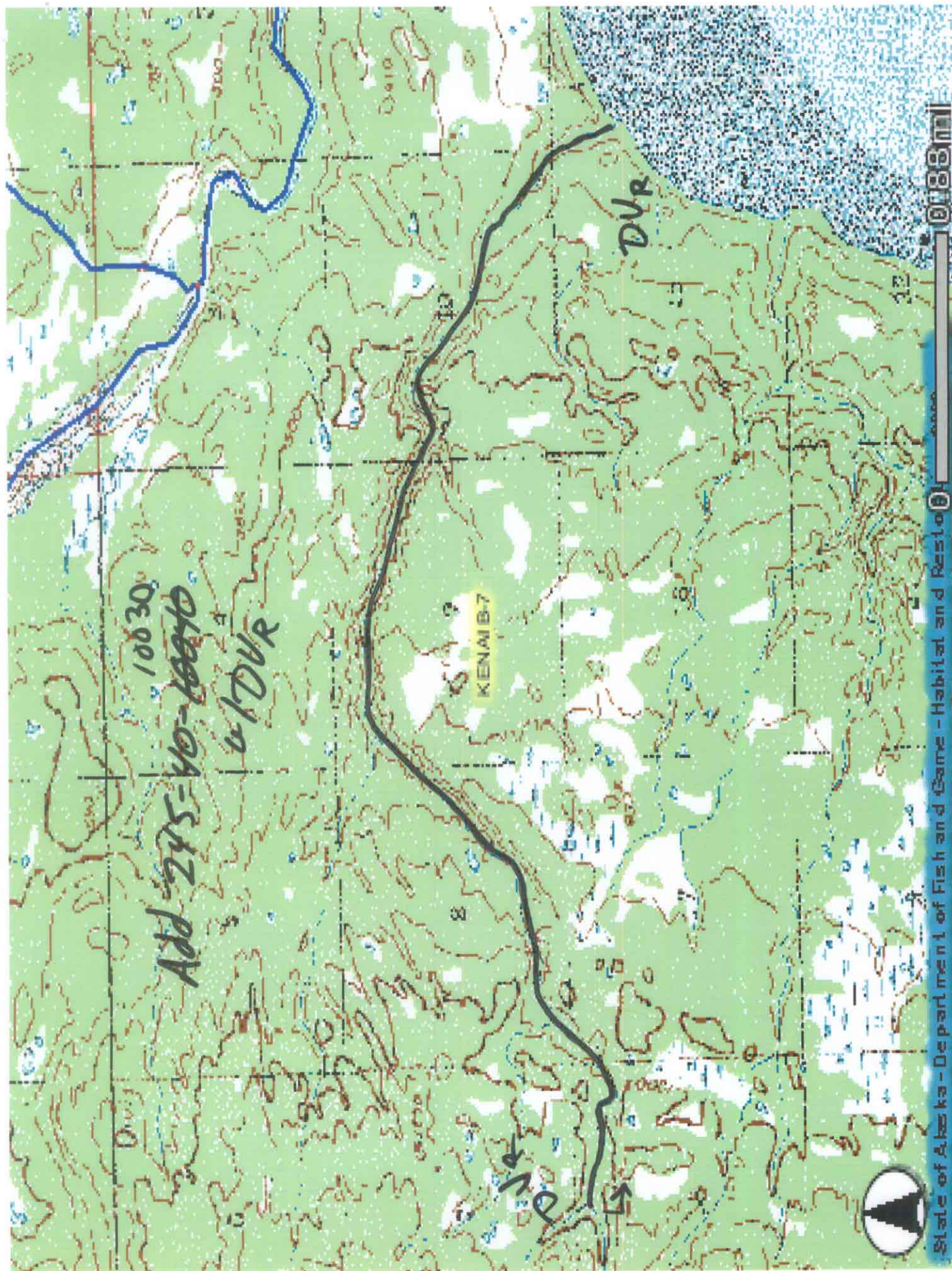
Signature of Area Biologist: _____

03A12 looking upstream





03A12 looking downstream



Add 245-40-10040
10030
u/DUR

KENAI B-7

DUR

J Johnson

From: Joe Buckwalter [joseph_buckwalter@fishgame.state.ak.us]
Sent: Thursday, March 13, 2003 1:20 PM
To: J D Johnson
Subject: nominations 03-073 and 03-106

At station 12A59 (Nomination 03-106) and at station 12A58 (nomination 03-105) a large school (approximately 100) of adult dolly varden was observed from the helicopter. Downstream in the same stream, at station 12A57, one adult dolly varden was captured by dip net out of a similar large school (estimated at 500 fish). Photographs of this fish are attached to nomination 03-105. This fish measured 350 mm (14 inches), and appeared to be of smaller than average size compared to the other fish in the school. These fish were bright (difficult to see in photo). Based on our observations of 3 large schools of big, bright adult dolly varden occurring in this small stream (stream wetted width was 2.2 meters at station 12A58), likely providing insufficient food supply and overwintering habitat to support these fish as a resident population, Mike Anderson and I concluded that these were likely anadromous dollies migrating to spawning reaches (redds were observed at site 12A58). This decision was made based on professional opinion. Short of conducting a telemetry study of radio-tagged fish, or perhaps analysis of strontium in otoliths, (although I'm told dolly scales are difficult to analyse) it may not be possible to prove that these dollies (or any dollies observed in freshwater) were anadromous.

Large schools of adult dolly varden were also observed at station 04A13 (nomination 03-073). 6 fish ranging from 10-20 inches were captured with a dip net. These were also large, very bright fish occurring in a small stream. This stream is an independent drainage to Cook Inlet with no connected lakes. Again, we determined that this stream did not contain suitable food supply or overwintering habitat to support the numbers of large dollies we observed. Again, this decision was based on professional opinion.

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